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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/416,308	10/12/1999	PRADEEP K. KATHAIL	CISCO-1321	5986

7590 08/08/2002  
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EXAMINER

PHAM, HUNG Q

ART UNIT PAPER NUMBER

2172

DATE MAILED: 08/08/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

**Advisory Action**

Application No.

09/416,308

Applicant(s)

KATHAIL ET AL.

Examiner

HUNG Q PHAM

Art Unit

2172

--The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

THE REPLY FILED 07/29/2002 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE. Therefore, further action by the applicant is required to avoid abandonment of this application. A proper reply to a final rejection under 37 CFR 1.113 may only be either: (1) a timely filed amendment which places the application in condition for allowance; (2) a timely filed Notice of Appeal (with appeal fee); or (3) a timely filed Request for Continued Examination (RCE) in compliance with 37 CFR 1.114.

**PERIOD FOR REPLY** [check either a) or b)]

- a) ☐ The period for reply expires \_\_\_\_\_ months from the mailing date of the final rejection.
- b) ☒ The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection. ONLY CHECK THIS BOX WHEN THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. See MPEP 706.07(f).

Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in (b) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

1. ☐ A Notice of Appeal was filed on \_\_\_\_\_. Appellant's Brief must be filed within the period set forth in 37 CFR 1.192(a), or any extension thereof (37 CFR 1.191(d)), to avoid dismissal of the appeal.
2. ☐ The proposed amendment(s) will not be entered because:
- (a) ☐ they raise new issues that would require further consideration and/or search (see NOTE below);
- (b) ☐ they raise the issue of new matter (see Note below);
- (c) ☐ they are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or
- (d) ☐ they present additional claims without canceling a corresponding number of finally rejected claims.

NOTE: \_\_\_\_\_

3. ☐ Applicant's reply has overcome the following rejection(s): \_\_\_\_\_.
4. ☐ Newly proposed or amended claim(s) \_\_\_\_\_ would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s). *applicant's remark*
5. ☒ The a) ☐ affidavit, b) ☐ exhibit, or c) ☒ request for reconsideration has been considered but does NOT place the application in condition for allowance because: *see attachment*
6. ☐ The affidavit or exhibit will NOT be considered because it is not directed SOLELY to issues which were newly raised by the Examiner in the final rejection.
7. ☒ For purposes of Appeal, the proposed amendment(s) a) ☐ will not be entered or b) ☒ will be entered and an explanation of how the new or amended claims would be rejected is provided below or appended.

The status of the claim(s) is (or will be) as follows:

Claim(s) allowed: \_\_\_\_\_

Claim(s) objected to: \_\_\_\_\_

Claim(s) rejected: 1-18.

Claim(s) withdrawn from consideration: \_\_\_\_\_

8. ☐ The proposed drawing correction filed on \_\_\_\_\_ is a) ☐ approved or b) ☐ disapproved by the Examiner.
9. ☐ Note the attached Information Disclosure Statement(s) (PTO-1449) Paper No(s). \_\_\_\_\_
10. ☐ Other: \_\_\_\_\_

Applicant stated that:

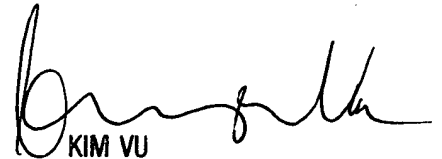
It can be seen that Cisco does not teach a database subsystem that stores configuration data registering other subsystems for notification of changes to configuration data (amendment, page 5).

Cisco teaches a system in which processes register to receive data objects of a certain type transmitted across the system. Cisco does not teach a database subsystem that maintains configuration data for a network. The only teaching in Cisco that is remotely similar to a database that stores configuration data is the teaching that a router application maintains a list of connections. However, the router application does not receive requests from other subsystems or processes for notification when a change in the connection data received (amendment, page 5).

There is no teaching in Cisco that the various process application in a device register with the router application or another application to be notified when configuration of the network is changed (amendment, page 6).

Examiner respectfully traverse, because:

Regarding to claim 1, 10 and 16, Cisco teaches a method, program and system for distributing data among different processes in a network of computer systems. As shown in FIG. 2A, each computer has its own router for managing the transfer of these objects and the computer 208 has its local router 212 that communicating with router 216, 232 and 236 of computer 222, 230 and 210 consecutively (FIG. 2A, Col. 3, line 62-Col. 4, line 30). Data is distributed as an encapsulated object, which includes a time stamp, properties, and addressing information as router notification (Col. 2, lines 33-48). By using object, router notification could be specified as interest (Col. 8, lines 24-43) and could be changed by sending an interest change object (FIG. 7) as router notification of changes. Each local router has a connection table for keeping track of the routers that the local router is connected to and an interest table, which lists the interests of its child processes as well as the interests of the other local routers (Col. 2, lines 59-65). Thus, connection and interest table is considered as a database subsystem storing router configuration and being operatively couple for communication with a plurality of router subsystem. As shown in FIG. 7, step 702 handles the interest change when the event handler in FIG. 5 receives from another router an interest change object (Col. 13, line 61-Col. 14, lines 2) and the interest change object ST\_RTR\_INTEREST( ) indicating configuration data for which said first subsystem requires registration for notification of changes to said configuration data, the interest table of the receiving router is updated in step 702 (Col. 15, lines 34-59). Thus, the step 506 and 508 as in FIG. 5 (Col. 13, line 61-Col. 14, lines 2) indicates the step of transmitting a notification registration request by a first of said plurality of subsystem to said database subsystem, said registration request indicating configuration data for which said first subsystem requires registration for notification of changes to said configuration data and step 702 in FIG. 7 indicates the step of receiving said notification registration request by said database subsystem; and registering said first of said plurality of subsystems for notification by said database subsystem. Therefore, it would have been obvious for one of ordinary skill in the art at the time the invention was made to modify the Cisco method, program, system for transacting router notification of changes using a database subsystem by transmitting notification of changes, receiving and registering the notification in order to distribute data in a network of computer system.



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